

Cloud Computing Infrastructure & Security

COURSE OVERVIEW

This course covers cloud computing infrastructure and security fundamentals, including virtualization, cloud storage, network architecture, and application management. It addresses security challenges for cloud platforms, identity and access management, data protection, and compliance with industry standards. Through practical labs and real-world scenarios, participants will gain the current skills to design, deploy, and secure scalable, reliable cloud infrastructures that meet organizational needs.

WHO SHOULD ATTEND?

This course is ideal for computer engineers, cloud architects, IT infrastructure engineers, and system administrators responsible for designing, deploying, and managing cloud environments. It also suits DevOps and security professionals, software developers, and technical teams working on cloud-based applications or enterprise IT systems. Other individuals seeking practical skills in cloud architecture, infrastructure management, and cybersecurity best practices will also benefit from the course.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Design and implement scalable cloud infrastructure architectures.
- Configure and manage virtualized computing resources and storage systems.
- Implement comprehensive cloud security controls and identity management.
- Deploy and maintain secure cloud network configurations.
- Monitor cloud environments for performance and security compliance.
- Develop disaster recovery and business continuity plans for cloud services.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Cloud service models and deployment strategies.
- Virtualization technologies and containerization platforms.
- Cloud storage architectures and data management.
- Identity and access management implementation.
- Network security groups and firewall configurations.
- Security monitoring and threat detection in cloud environments.
- Compliance frameworks and cloud governance models.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded